

What is claimed is:

1. A solenoid valve comprising:

a moving part that moves by electromagnetic force generated when it is energized; and

a valve fixed on a tip of the moving part to abut a sealing part of a fluid passage when the moving part moved, and to interrupt a flow of fluid;

wherein the valve is made of elastic materials that shows a tendency to yield when the valve abutted the sealing part of the fluid passage.

2. The solenoid valve according to Claim 1, wherein a stopper is provided within the fluid passage, which abuts the valve where a yield is occurred, and which prevents the valve from being excessively yielded.

3. The solenoid valve according to Claim 2, wherein the stopper in pillar shape is provided within the fluid passage.

4. The solenoid valve according to Claim 1, wherein the valve includes a plug-in structure to receive an insertion of a tip of the moving part, and when installing the valve on the tip of the moving part, the tip of the moving part is inserted in the valve.

5. The solenoid valve according to Claim 4, wherein a spring is provided, one end of which is fixed within the fluid passage

and the other end of which is fixed in a form-stabilizing part of the valve.

6. The solenoid valve according to Claim 1, wherein a part of the moving part is separated, and a spring is placed between the two moving parts.

7. The solenoid valve according to Claim 1, wherein a sliding member that suppresses movement of the moving part is provided, and a hermetic chamber is provided in a terminal of the moving part.

8. The solenoid valve according to Claim 1, wherein the valve is arranged to cover a gap formed between the moving part and a core.

9. The solenoid valve according to Claim 8, wherein the valve is arranged such that a part of the valve abuts the core when the valve is in an open state.

10. The solenoid valve according to Claim 8, wherein when the moving part moves, a part of the valve expands and contracts, or deforms.